

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P791154

Luminaire Tested: LER6D25D010-EC6DR7020359030-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P791154
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D25D010-EC6DR7020359030-6LBDDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3902.0 lumens
Efficiency: N/A
Efficacy: 155.5 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

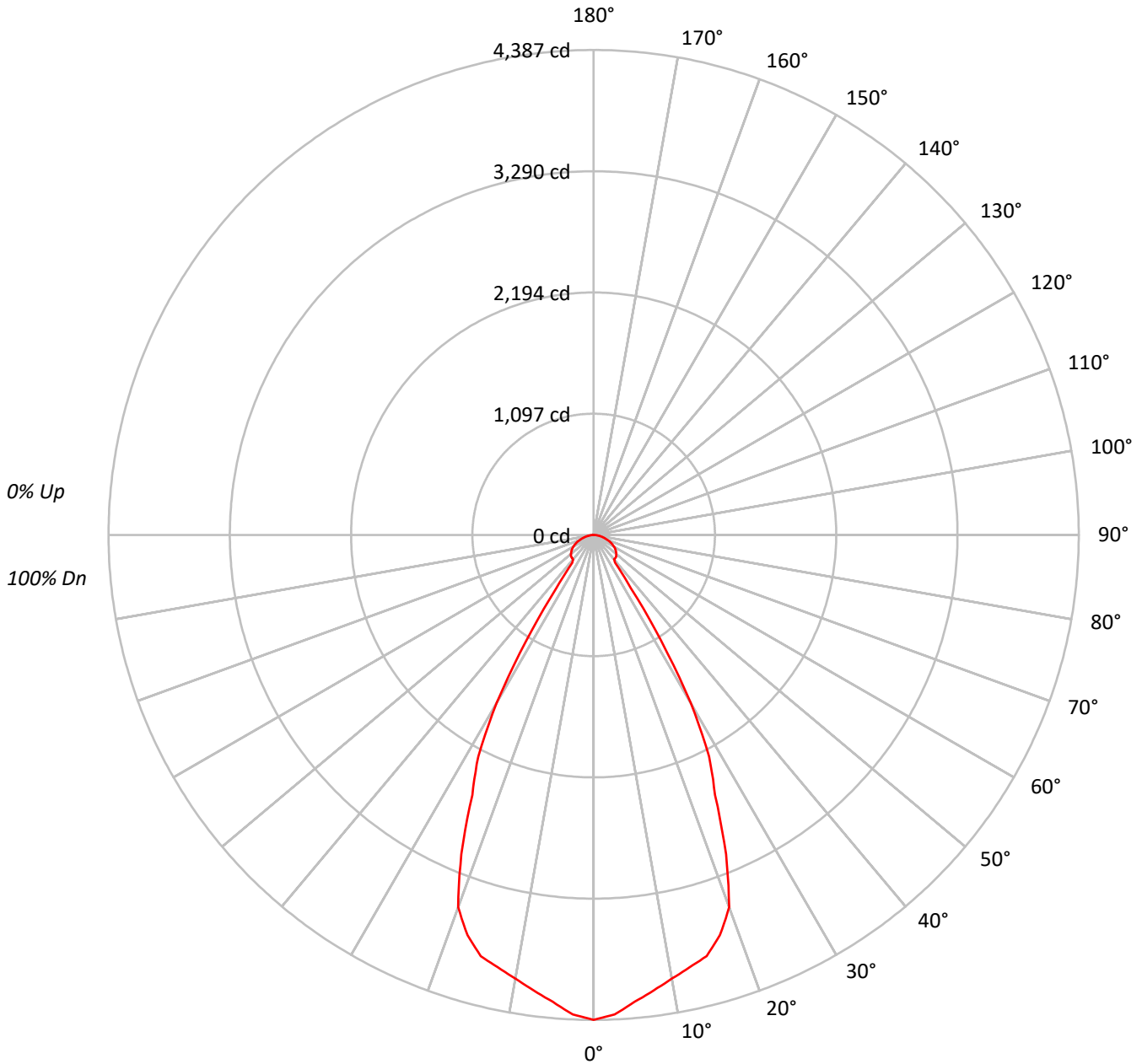
Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P791154
CATALOG NUMBER: LER6D25D010-EC6DR7020359030-6LB DP1MW

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	479327
5°	465079
10°	452117
15°	446182
20°	416652
25°	313011
30°	221265
35°	78376
40°	41206
45°	43899
50°	45453
55°	46308
60°	46589
65°	45605
70°	43031
75°	39893
80°	35424
85°	28708

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 46608 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.0	10.3
10°-20°	1097.1	28.1
20°-30°	1208.3	31.0
30°-40°	461.6	11.8
40°-50°	218.0	5.6
50°-60°	216.7	5.6
60°-70°	173.5	4.4
70°-80°	99.7	2.6
80°-90°	27.1	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2705.3	69.3
0°-40°	3167.0	81.2
0°-60°	3601.7	92.3
0°-90°	3902.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3902.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4387	
5°	4240	400
15°	3944	1097
25°	2596	1208
35°	588	462
45°	284	218
55°	243	217
65°	176	173
75°	94	100
85°	23	27
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4387.0
2.5°	4341.1
5°	4240.4
7.5°	4156.4
10°	4075.1
12.5°	4006.4
15°	3944.5
17.5°	3795.2
20°	3583.4
22.5°	3126.3
25°	2596.4
27.5°	2260.2
30°	1753.8
32.5°	1132.9
35°	587.6
37.5°	317.4
40°	288.9
42.5°	286.9
45°	284.1
47.5°	277.8
50°	267.4
52.5°	255.6
55°	243.1
57.5°	229.2
60°	213.2
62.5°	195.2
65°	176.4
67.5°	155.6
70°	134.7
72.5°	113.9
75°	94.5
77.5°	74.3
80°	56.3
82.5°	39.6
85°	22.9
87.5°	9.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)